

#3



OIPE

## RAW SEQUENCE LISTING

DATE: 06/24/2002

PATENT APPLICATION: US/10/062,831

TIME: 09:49:46

Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

1 <110> APPLICANT: Steven M. Ruben, et al.  
 3 <120> TITLE OF INVENTION: 32 Human Secreted Proteins  
 5 <130> FILE REFERENCE: PZ006P1  
 7 <140> CURRENT APPLICATION NUMBER: 10/062,831  
 8 <141> CURRENT FILING DATE: 2002-02-05  
 10 <150> PRIOR APPLICATION NUMBER: 09/690,454  
 11 <151> PRIOR FILING DATE: 1998-11-10  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US98/10868  
 W--> 14 <151> PRIOR FILING DATE: May 28, 1998  
 16 <150> PRIOR APPLICATION NUMBER: 60/044,039  
 W--> 17 <151> PRIOR FILING DATE: May 30, 1997  
 19 <150> PRIOR APPLICATION NUMBER: 60/048,093  
 W--> 20 <151> PRIOR FILING DATE: May 30, 1997  
 22 <150> PRIOR APPLICATION NUMBER: 60/048,190  
 W--> 23 <151> PRIOR FILING DATE: May 30, 1997  
 25 <150> PRIOR APPLICATION NUMBER: 60/050,935  
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 28 <150> PRIOR APPLICATION NUMBER: 60/048,101  
 W--> 29 <151> PRIOR FILING DATE: May 30, 1997  
 31 <150> PRIOR APPLICATION NUMBER: 60/048,356  
 W--> 32 <151> PRIOR FILING DATE: May 30, 1997  
 34 <150> PRIOR APPLICATION NUMBER: 60/056,250  
 W--> 35 <151> PRIOR FILING DATE: August 29, 1997  
 37 <150> PRIOR APPLICATION NUMBER: 60/056,296  
 W--> 38 <151> PRIOR FILING DATE: August 29, 1997  
 40 <150> PRIOR APPLICATION NUMBER: 60/056,293  
 W--> 41 <151> PRIOR FILING DATE: August 29, 1997  
 43 <160> NUMBER OF SEQ ID NOS: 229  
 45 <170> SOFTWARE: PatentIn Ver. 2.0  
 48 <210> SEQ ID NO: 1  
 49 <211> LENGTH: 733  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Homo sapiens  
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 55 aattcgaggg tgcaccgtca gtcttccctct tccccccaaa acccaaggac accctcatga 120  
 56 tctcccggac tcctgaggtc acatgcgttg tggtggacgt aagccacgaa gaccctgagg 180  
 57 tcaagttcaa ctggtacgtg gacggcgttg aggtgcataa tgccaagaca aagccgcggg 240  
 58 aggagcagta caacagcacg taccgtgttg tcagcgtcct caccgtcctg caccaggact 300  
 59 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360  
 60 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420  
 61 catcccgagg tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480  
 62 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagAAC aactacaaga 540

ENTERED

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Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

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64 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc      660
65 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc      720
66 gactctagag gat                                          733
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70 <211> LENGTH: 5
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
74 <220> FEATURE:
75 <221> NAME/KEY: Site
76 <222> LOCATION: (3)
77 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
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90 cccgaaatat ctgccatctc aattag                                          86
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110 gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat      180
111 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt      240
112 ttttgagggc ctaggctttt gcaaaaagct t                                          271
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## RAW SEQUENCE LISTING

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Input Set : N:\Cr3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

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138 <400> SEQUENCE: 8
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142 <210> SEQ ID NO: 9
143 <211> LENGTH: 73
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 9
148 gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
149 ccatctcaat tag 73
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 256
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 10
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159 caattagtca gcaaccatag tcccgcccct aactccgccc atcccgcccc taactccgcc 120
160 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
161 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
162 cttttgcaaa aagctt 256
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166 <211> LENGTH: 1169
167 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
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176 <221> NAME/KEY: SITE
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178 <223> OTHER INFORMATION: n equals a,t,g, or c
180 <220> FEATURE:
181 <221> NAME/KEY: SITE
182 <222> LOCATION: (1168)
183 <223> OTHER INFORMATION: n equals a,t,g, or c
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187 gaggggttcg ggggttcttg gcaggcacia tggcgtctcg agcaggcccc cgagcgccg 120
188 rcaccgacgc agcgagcttt cagcaccggg agcgcgtcgc catgcactac cagatgagtg 180
189 tgaccctcaa gtatgaaatc aagaagctga tctacgtaca tctggtcata tggctgctgc 240
190 tggttgctaa gatgagcgtg ggacacctga ggctcttgtc acatgatcag gtggccatgc 300
191 cctatcagtg ggaatacccg tatttgctga gcattttgcc ctctctcttg ggccttctct 360
192 cctttccccc caacaacatt agctacctgg tgctctccat gatcagcatg ggactctttt 420
193 ccatcgctcc actcatttat ggcagcatgg agatgttccc tgctgcacag ccttctaccg 480

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Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

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196 ctcttggttc accagcacac aggagaagaa gcataaatga agcctctttg ggggtgaagcc      660
197 tggacatccc atcgaatgaa aggacactag tacagcgggt ccaaaatccc ttctggtgat      720
198 ttttagcagct gtgatgttgg tacctggtgc agaccaggc caaagtctct gaaagctcct      780
199 tttgccatct gctgaggtgg caaaactata atttattcct ggttggtctag aactgggtga      840
200 ccaacagcta tgaacaaat ttcagctgtt tgaagtgtga ctttgaggtt tttctttaag      900
201 aatgagcttc gtccctgcct ctactcggtc atttccccca ttcccatcca ttacccttta      960
202 gccattgaga ctaaaggaaa tagggaataa atcaaatatc ttcatctcta ggtcacgggt     1020
203 caggaaacat ttgggcagct gctcccttgg cagctgtggt ctctctgca aagcatttta     1080
204 attaaaaacc tcaataaaga tgccctgccc acaaaaaaaaa aaaaaaaaaa aattcggggg     1140
W--> 205 ggggcccggg naaccaattn gccctana      1169
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210 <212> TYPE: DNA
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215 gagtggagtg tccgctgtgc ccgggcctgc accatgagcg tcccggcctt catcgacatc     120
216 agtgaagaag atcaggctgc tgagcttcgt gcttatctga aatctaaagg agctgagatt     180
217 tcagaagaga actcgggaagg tggacttcac gttgatttag ctcaaattat tgaagcctgt     240
218 gatgtgtgtc tgaaggagga tgataaagat gttgaaagtg tgatgaacag tgtggtatcc     300
219 ctactcttga tcctggaacc agacaagcaa gaagctttga ttgaaagcct atgtgaaaag     360
220 ctggtcaaat ttcgcgaagg tgaacgcccg tctctgagac tgcagttgtt aagcaacctt     420
221 ttccacggga tggataagaa tactcctgta agatacacag tgtattgcag ccttattaaa     480
222 gtggcagcat cttgtggggc catccagtac atcccaactg agctggatca agttagaaaa     540
223 tggatttctg actggaatct caccactgaa aaaaagcaca cctttttaag actactttat     600
224 gaggcacttg tggattgtaa gaagagtgat gctgcttcaa aagtcattgg ggaattgctc     660
225 ggaagttaca cagaggacaa tgcttcccag gctcgagttg atgccacag gtgtattgta     720
226 cgagcattga aagatccaaa tgcatttctt tttgaccacc ttcttacttt aaaaccagtc     780
227 aagtttttgg aaggcagagc tattcatgat cttttaacca tttttgtgag tgctaaattg     840
228 gcatcatatg tcaagtttta tcagaataat aaagacttca ttgattcact tggcctgtta     900
229 catgaacaga atatggcaaa aatgagacta cttactttta tgggaatggc agtagaaaaat     960
230 aaggaaattt cttttgacac aatgcagcaa gaacttcaga ttggagctga tgatgttgaa     1020
231 gcatttgtaa ttgacgccgt aagaactaaa atggtctact gcaaaattga tcagaccag     1080
232 agaaaagtag ttgtcagtca tagcacacat cggacatttg gaaaacagca gtggcaacaa     1140
233 ctgtatgaca cacttaatgc ctggaaacaa aatctgaaca aagtgaaaaa cagccttttg     1200
234 agtctttctg atacctgagt ttttatgctt ataatttttg ttctttgaaa aaaaagccct     1260
235 aaatcatagt aaaacattat aaactaaaaa aaaaaaaaaa aaaaaaaaaa      1310
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239 <211> LENGTH: 1139
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: SITE
245 <222> LOCATION: (7)
246 <223> OTHER INFORMATION: n equals a,t,g, or c
248 <220> FEATURE:
249 <221> NAME/KEY: SITE

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Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

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251 <223> OTHER INFORMATION: n equals a,t,g, or c
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255 <222> LOCATION: (968)
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259 <221> NAME/KEY: SITE
260 <222> LOCATION: (1139)
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263 <400> SEQUENCE: 13
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      265 ccctcgagcg gtgccggagc gcascagggt gtgcttgtgc ctgggcccagc tggagaggtc      120
W--> 266 cattgcctgg gangaagtct gtcaacaaag tgacatgtct agtctgccgg aaggggtgaca      180
      267 atgatgagtt tcttctgctt tgtgatgggt gtraccgtgg ctgccacatt tactgccatc      240
      268 gtcccaagat ggaggctgtc ccagaaggag attggttctg tactgtctgt ttggtcagc      300
      269 aggtggaggg agaattcact cagaagcctg gtttcccaa gcgtggccag aagcggaaaa      360
      270 gtggttattc gctgaacttc tcagaggggt atggccgccg acgccgggta ctggtgaggg      420
      271 gccgagaaag ccagcagca gggcctcggg actcgggaag agggctctcc ccctccaagc      480
      272 ggcggcgact ctctatgcgg aaccaccaca gtgatctcac attttgcgag attatcctga      540
      273 tggagatgga gtcccatgat gcagcctggc ctttcctaga gcctgtgaac ccacgtttgg      600
      274 tgagtgggta ccggcgcac atcaaaaaatc ctatggattt ttccaccatg cgggagcggc      660
      275 tgctcagggg agggtaacac agctcagagg agtttgcggc tgatgccctc ctggtatttg      720
      276 acaactgcca gactttcaac gaggatgact ctgaagtagg caaggctggg cacatcatgc      780
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      278 gcaagggagg tggggagtca ccttgtggca tctccccca ccttccaaac aaaaacctgc      900
      279 cattttcacc tgctgatgct gccctgggtc cagactcaag tcagatacaa ccctgatttt      960
W--> 280 tgaccttnc cttggcagtg ccccatatcc tcttattcct acatcccttt ctcccttccc      1020
      281 tcctcttctt cctcaagtaa gaggtgcaga gatgagggtc ttctggacta aaagccaaaa      1080
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      293 ctccctgtca gacaagaccc agctccacag cagggtggctg gactcgtgcg ggtgtctcat      180
      294 gcagcagggc atcaaggccg gggacgcact ctggctgcgc ttcaagtaact acagcttctt      240
      295 cgatttggat cccaagacag acccctgtcg gctgacacag ctgtatgagc aggcccggtg      300
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      301 ggagaccaca ctgtcctact acaagagcca ggacgaggcc cctggggacc ccattcagca      660
      302 gctcaacctc aagggtgtg aggtggttcc cgatgttaac gtctccggcc agaagttctg      720
      303 cattaaactc ctagtgcctt cccctgaggg catgagttag atctacctgc ggtgccagga      780
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/062,831

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Input Set : N:\Crf3\RULE60\10062831.txt  
Output Set: N:\CRF3\06242002\J062831.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3  
Seq#:11; N Pos. 1151,1160,1168  
Seq#:13; N Pos. 7,133,968,1139  
Seq#:15; N Pos. 22,591  
Seq#:17; N Pos. 979,1007,1040,1050  
Seq#:18; N Pos. 639,697,1347,1361  
Seq#:19; N Pos. 20  
Seq#:20; N Pos. 1267  
Seq#:22; N Pos. 1283  
Seq#:24; N Pos. 452,480  
Seq#:25; N Pos. 580,621,1159  
Seq#:26; N Pos. 847,1303,1307,1314  
Seq#:28; N Pos. 9,21  
Seq#:29; N Pos. 922  
Seq#:31; N Pos. 2,28,44  
Seq#:32; N Pos. 1057  
Seq#:33; N Pos. 855,881,916,957  
Seq#:34; N Pos. 1889  
Seq#:35; N Pos. 18,26,1014,1015,1018  
Seq#:37; N Pos. 8,586  
Seq#:38; N Pos. 395  
Seq#:40; N Pos. 597  
Seq#:41; N Pos. 37  
Seq#:43; N Pos. 1591,1703  
Seq#:47; Xaa Pos. 146  
Seq#:48; Xaa Pos. 312  
Seq#:51; Xaa Pos. 83  
Seq#:52; Xaa Pos. 63  
Seq#:53; Xaa Pos. 114,124  
Seq#:54; Xaa Pos. 8,27,84,85,86,99,180  
Seq#:55; Xaa Pos. 221,287  
Seq#:56; Xaa Pos. 34  
Seq#:57; Xaa Pos. 24  
Seq#:58; Xaa Pos. 47  
Seq#:59; Xaa Pos. 114  
Seq#:60; Xaa Pos. 26,32  
Seq#:61; Xaa Pos. 19,33,81  
Seq#:63; Xaa Pos. 146  
Seq#:64; Xaa Pos. 31  
Seq#:65; Xaa Pos. 260  
Seq#:67; Xaa Pos. 27  
Seq#:68; Xaa Pos. 64,65  
Seq#:69; Xaa Pos. 216  
Seq#:70; Xaa Pos. 407

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Input Set : N:\Crf3\RULE60\10062831.txt  
Output Set: N:\CRF3\06242002\J062831.raw

Seq#:72; Xaa Pos. 34  
Seq#:73; Xaa Pos. 55  
Seq#:74; Xaa Pos. 17,26  
Seq#:76; Xaa Pos. 33  
Seq#:77; Xaa Pos. 6,23  
Seq#:78; Xaa Pos. 18,21,80,102  
Seq#:79; Xaa Pos. 148,186,208  
Seq#:80; Xaa Pos. 95,100,146  
Seq#:81; Xaa Pos. 23  
Seq#:82; Xaa Pos. 21,31  
Seq#:112; Xaa Pos. 82,83,123,194  
Seq#:116; Xaa Pos. 3,4  
Seq#:117; Xaa Pos. 14  
Seq#:119; Xaa Pos. 24  
Seq#:121; Xaa Pos. 7  
Seq#:135; Xaa Pos. 120,139  
Seq#:150; Xaa Pos. 123  
Seq#:153; Xaa Pos. 81  
Seq#:154; Xaa Pos. 71  
Seq#:155; Xaa Pos. 30,115  
Seq#:156; Xaa Pos. 13,97  
Seq#:161; Xaa Pos. 13  
Seq#:171; Xaa Pos. 88  
Seq#:173; Xaa Pos. 23  
Seq#:181; Xaa Pos. 30,31,32  
Seq#:182; Xaa Pos. 16,23,25,26,27  
Seq#:190; Xaa Pos. 18,29  
Seq#:196; Xaa Pos. 85,97,157  
Seq#:201; Xaa Pos. 13,18,39  
Seq#:202; Xaa Pos. 16  
Seq#:220; Xaa Pos. 72  
Seq#:221; Xaa Pos. 39  
Seq#:222; Xaa Pos. 62,84,143,152  
Seq#:223; Xaa Pos. 74,92

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/062,831

DATE: 06/24/2002

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Output Set: N:\CRF3\06242002\J062831.raw

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L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:20 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
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L:26 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:32 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:35 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:38 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:1140  
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:120  
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:960  
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1080  
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:540  
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:960  
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:1020  
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:600  
L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:660  
L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:1320  
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:1260  
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:1260  
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:420  
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:540  
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:600  
L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:1140  
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:840  
L:830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1260  
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:900  
L:979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:1020  
L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:840  
L:1069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:900  
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1860  
L:1149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:1165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:960  
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:540  
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:360  
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:540  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:1560  
L:1395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:1680



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/062,831

DATE: 06/24/2002

TIME: 09:49:47

Input Set : N:\Crf3\RULE60\10062831.txt

Output Set: N:\CRF3\06242002\J062831.raw

L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:144  
L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:304  
L:1761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:80  
L:1785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:48  
L:1826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:112  
L:1871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
L:1874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:16  
L:1886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:80  
L:1889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:96  
L:1904 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:176  
L:1963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:208  
L:1975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:272